


SAFETY COMMISSION AGENDA STATEMENT

Item 5
Meeting Date 5/01/13

ITEM TITLE: Report regarding traffic calming and bike lanes installation improvement along Lake Crest Drive between Otay Lakes Road and Wueste Road.

SUBMITTED BY: Principal Civil Engineer 

On February 1, 2011, the City Council adopted the Bikeway Master Plan (Plan) by Resolution No. 2011-013. As part of this Plan, a number of new Class II bike lanes have been added to the bikeway network. This includes this segment of Lake Crest Drive between Otay Lakes Road and Wueste Road. Class II bike lanes are one-way facilities within roadways placed with the paved area of streets. They are designated by striping, pavement markings, and signage. Class II facilities must be at least four feet wide where no parking occurs and at least five feet wide where parking does occur. With the addition of the bike lanes, the traveled width on Lake Crest Drive will be reduced from 20' (centerline to curb) to 11' (centerline to outer edge of bike lane). The bike lane will be a standard width of 5'. Therefore, in order to accommodate the bike lanes, on-street parking must be prohibited along one side of Lake Crest Drive.

RECOMMENDATION

That the Safety Commission concur with staff's report regarding traffic calming and bike lanes installation improvement along Lake Crest Drive between Otay Lakes Road and Wueste Road.

DISCUSSION

Background

The City received a complaint of excessive speeding along Lake Crest Drive from Mr. Richard Trang, who resides at 2798 Shadow Crest Court in the Eastlake Vistas Subdivision. Mr. Trang indicated that Lake Crest Drive has single-family residential homes at both sides of the roadway, but there are no homes with direct driveway access to Lake Crest Drive. The high speeds of motorists driving along Lake Crest Drive make it unsafe for the residents in the area. There have been several accidents on this street. Although there are several stop signs along the segment, studies have shown that motorists tend to speed up after they approach a stop sign.

After reviewing these concerns, staff conducted field investigations and has discussed alternative measures to mitigate this speeding issue and is now recommending the installation of bike lanes at both sides of the street per the City Bikeway Master Plan. On October 6, 2010, the Safety Commission accepted staff's report and recommended that City Council adopt the Bikeway Master Plan. On February 1, 2011, the City Council adopted the Bikeway Master Plan (Plan) by Resolution No. 2011-013. The Plan designated several streets in the eastern portion of the City to install Class II bike lanes in order to fill in gaps between existing bikeway facilities. As part of this Plan, a number of new Class II bike lanes have been added to the bikeway network. This includes this segment of Lake Crest Drive between Otay Lakes Road and Wueste Road.

This will require the modifications of existing striping along Lake Crest Drive in this area. Based on past experiences, staff found that the addition of bike lane stripes and the reduction of lane widths usually lead to more cautious driving habits and reduced overall vehicular speeds. It is used as a traffic calming technique.

There are two east/west bike corridors in eastern Chula Vista that serve Eastlake Vistas, Telegraph Canyon Road/Otay Lakes Road and Olympic Parkway between I-805 and the eastern city limits. As well as, there are several bike lanes in the north/south corridors that connect Otay Lakes Road to Olympic Parkway. The last remaining segment of bikeway system to be completed in this area is along Lake Crest Drive.

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Several field visits have shown that residents do not utilize the available parking on Lake Crest Drive within the residential areas. Therefore, prohibiting the parking on the westerly side and some of the easterly side of Lake Crest Drive will not impact the residents. However, the parking will still remain along most of the easterly side of Lake Crest Road to provide additional parking to the residents in the area and to the Mountain Hawk Park users.

Also, recently on March 19, 2013, the City Council held a public hearing and approved the Lake Pointe mixed-use project. As part of the development, the developer will be providing approximately 28 new off-street parking stalls within Mountain Hawk Park.

The following table describes the existing conditions along Lake Crest Drive:

Segment Limits	Lake Crest Drive between Otay Lakes Road and Wueste Road
Length/Width	0.80 miles. Width is 40' curb to curb with a raised median south of Otay Lakes Road
Classification	Class III Collector
Exist. Speed Limit	25 mph Prima Facie
Number of Lanes	2 total lanes (1 per direction).
Striping	Centerline double yellow at controlled intersections. Also, there are left-turn pockets, crosswalks, and limit lines at signalized intersections.
Parking and Bike Facilities	Parking allowed on both sides of the street. There are no bike lanes.
Land Use	Residential with no direct driveway access or frontage.
All-Way Stop Signs	Located at Old Janal Ranch Road, Castlewood Court, Rambling Vista Road and Olympic Vista Road
Special Conditions	Mountain Hawk Park is located on the east side of the street, just north of Wueste Road.

CONCLUSION

Based on the City's 2011 Bikeway Master Plan and in order to reduce overall road vehicular speeds, staff is recommending the installation of 0.8 miles of Class II bike lanes. Bike lanes installation will require that the on-street parking (approximately 155 parking spaces) be prohibited on west side of Lake Crest Drive between Otay Lakes Road and Olympic Vista Road.

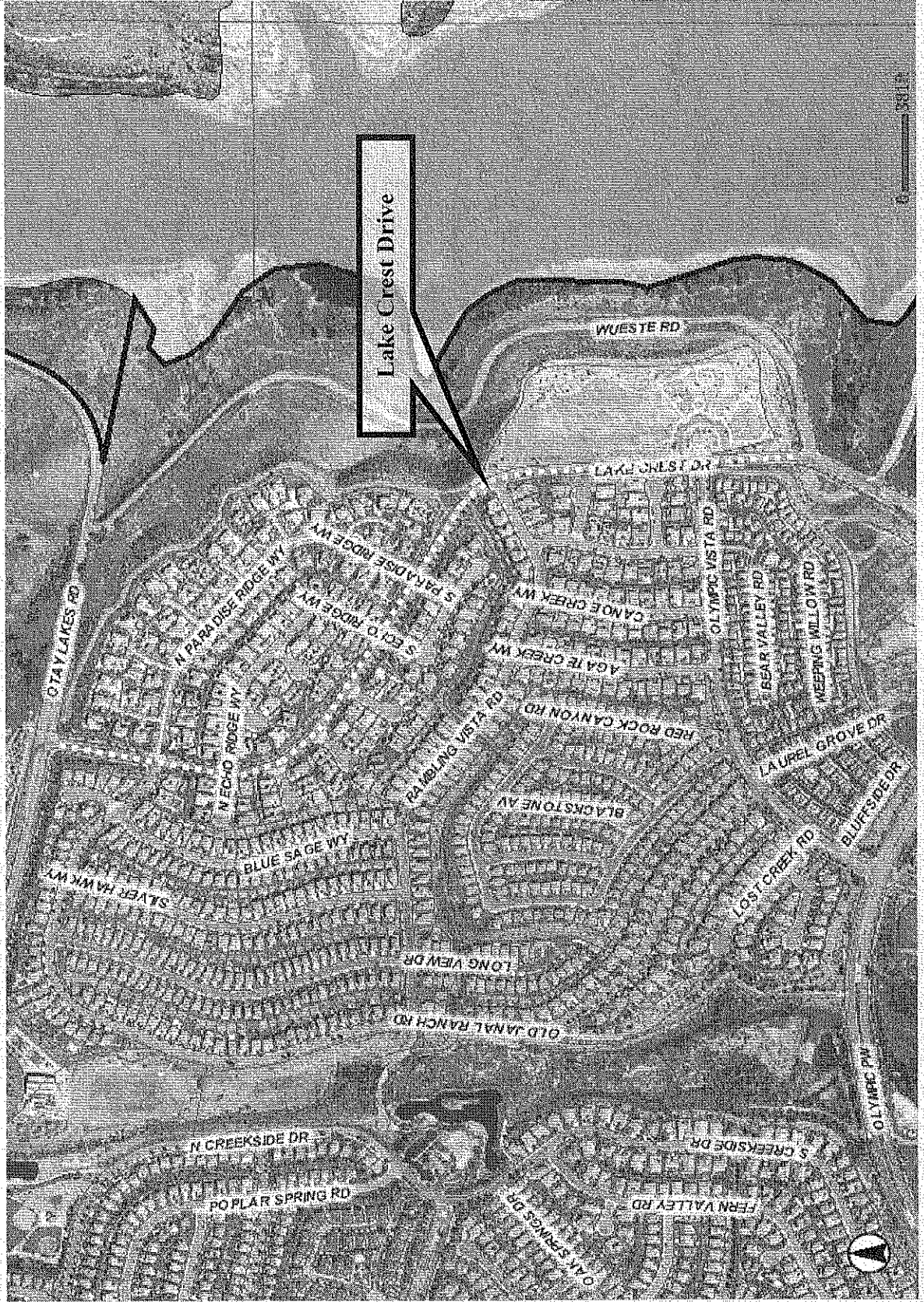
FISCAL IMPACT

The proposed improvements would require the installation of 6 bike lane legends, 24 (No Parking, Bike Lane) signs, and striping. The cost of this work is approximately \$28,000. The funding will be part of an existing Capital Improvement Program TF-369 Project. No additional appropriation is needed.

ATTACHMENTS

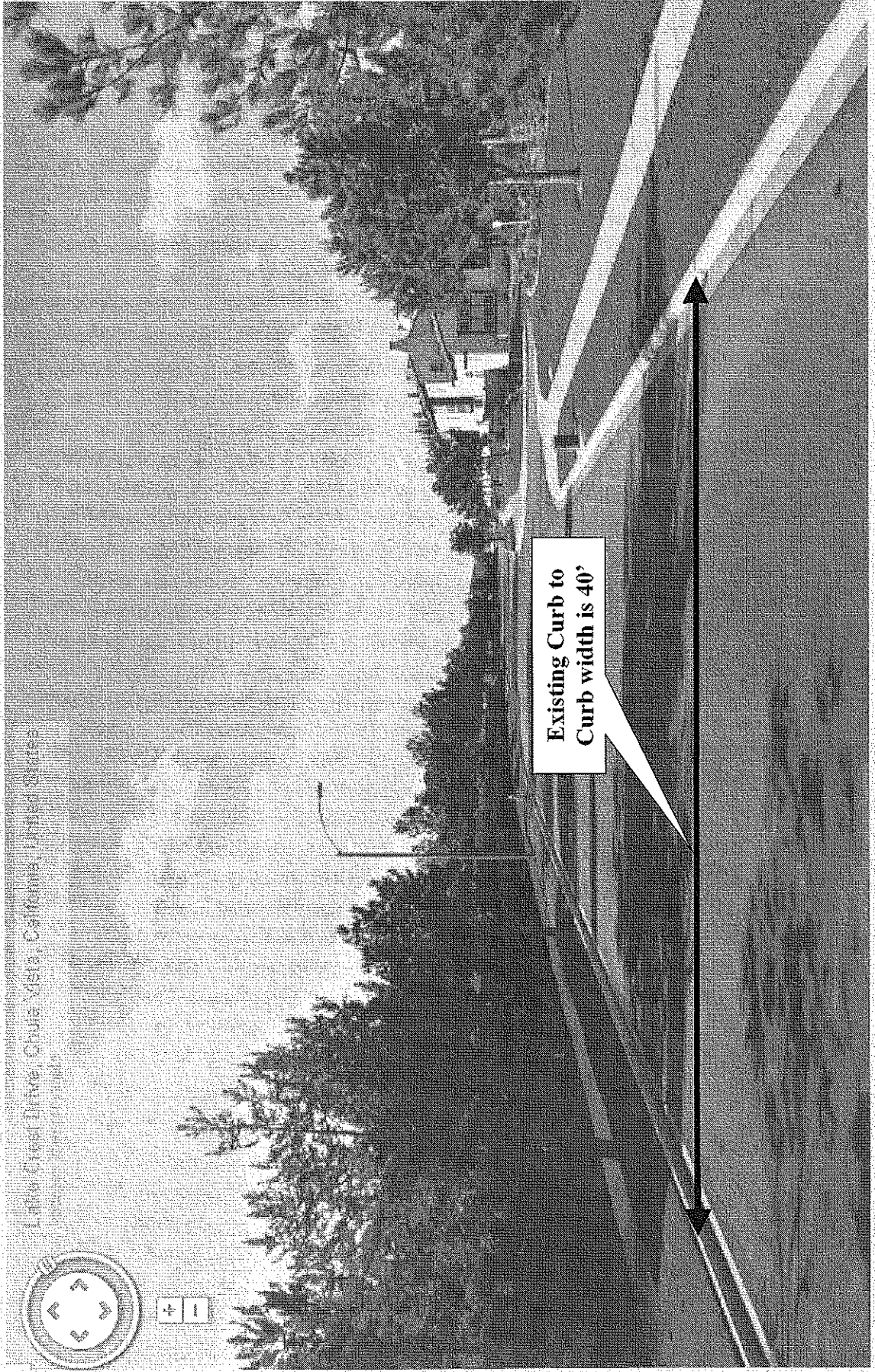
1. Location Map of Lake Crest Drive.
2. Existing Street Cross Section.
3. Proposed Street Cross-Section with bike lanes.

Location Map



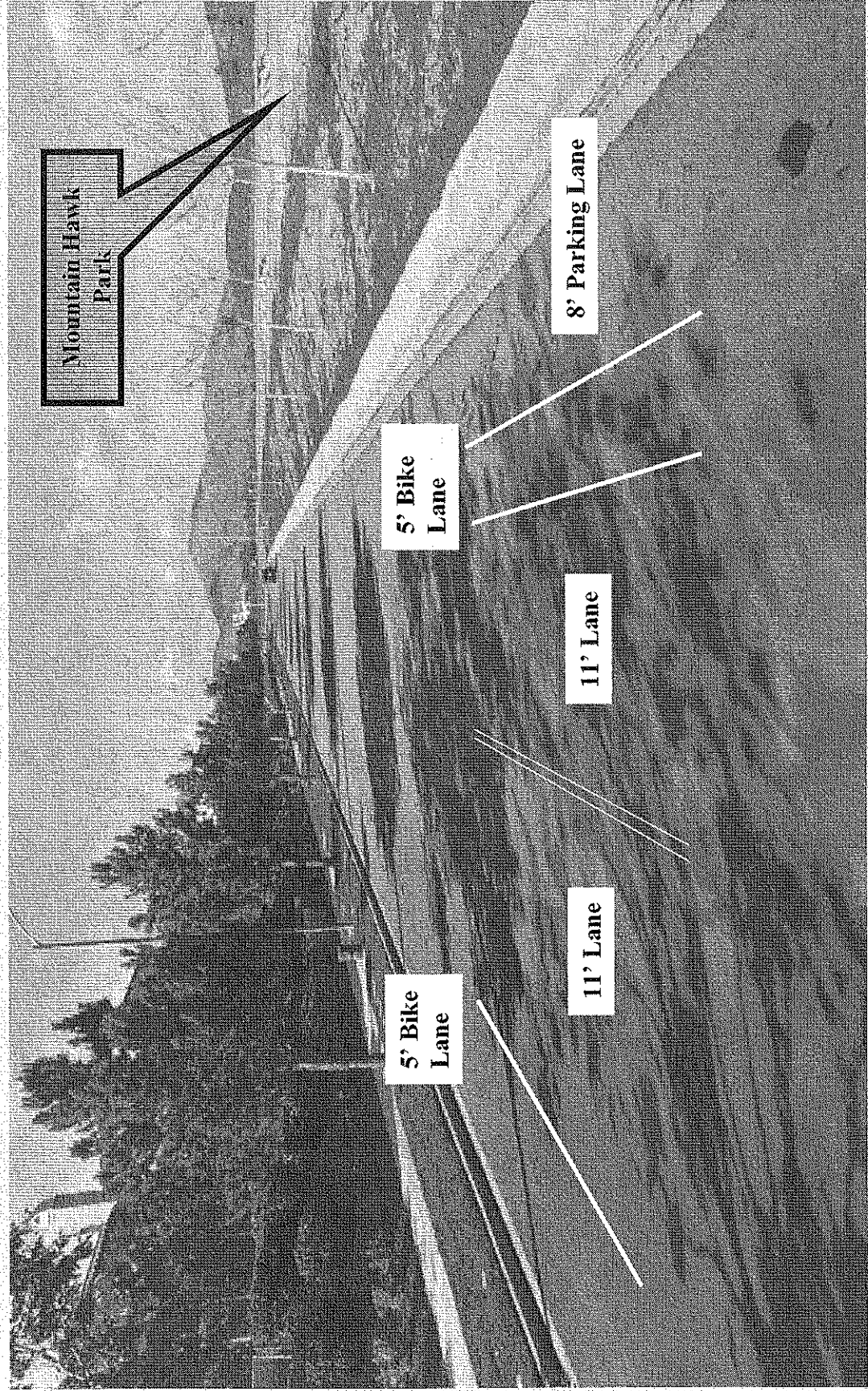


Existing Street Section





Proposed Street Cross Section on the Easterly side of Lake Crest Drive fronting Mountain Hawk Park





Proposed Street Cross Section with parking on the Easterly side of Lake Crest Drive

